

8113 West Sherman Street Tolleson, AZ 85353-4025 Fax: 623.936.9164

Tel: 602.233.9166

October 15, 2002

Mr. Gerald Thompson **Environmental Assistant** Alaskan Copper Works P. O. Box 3546 Seattle, WA 98124-3546

Dear Mr. Thompson:

Enclosed is the appropriate copy of your company's Hazardous Waste Manifest resulting from the transfer of recyclable materials to World Resources Company.

Please note that in accordance with 40 CFR §262.40, this copy of the manifest must be retained as a record for at least three (3) years from the date the waste was accepted by the initial transporter.

If you have any questions, please feel free to give us a call.

Sincerely,

World Resources Company

Manifest Coordinator

**Enclosures** 

\\	INIFORM HAZARDOUS WASTE MANIFEST	1. Generator's l	3, 0, 7, 3, 8, 5		ment No.		age 1			the shaded ard by Federal lav
3. Ger	nerator's Name and Mailing Address			<u>0, 4. 0,00</u> 2	. <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>					t Number
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	o. Box 3346, Seattle, herator's Phone ( 206 ) 382-					B. St	ate Gen	erator's	iD	
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7. Trai	nsporter 2 Company Name		8. USE	PA ID Numbe	r si si si		ate Tran			
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	orld Resources Company		10. US E	PA ID Numbe		G. St	ate Faci	iiity's ID		
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To	lleson, Arizona 85353-4	4025	A, Z, D, 9, 8	0,7,3,5					800-	972-1955
11. US	DOT Description (Including Proper Shi	ipping Name, Ha.	zard Class and IE	Number)	12. Conta		To	tal	14. Unit	I. Waste No.
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WORLD RESOURCES 11:40AN 10/08/2002 GROSS 1702 lb TARE 77 Lb NET 1625 16: TARE WORLD RESOURCES 11:41AM 10/08/2002 CROSS 1484 15 77 lb TARE 1407 15 NET WORLD RESOURCES 11:42AM 10/08/2002 GROSS 1643 lb TARE 77 16 NET 1566 16 - ACCUM 4598 16 10/08/2002 11:43AM

se print or type. (Form designed for use on elite (	<del></del>		Form A	pproved. OMB No. 20	<i>150-0039</i> .
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.  W. A. D. 9, 8, 0, 7, 3, 8, 5, 4,	Manifest Document No. <b>6.</b> クスカウザ	2. Page 1 of 1	is not required	the shaded ar I by Federal lav
. Generator's Name and Mailing Address			A. State Ma	nifest Documen	Number
Alaskan Copper Works P.O. Box 3546, Seattle,			B. State Ge	nerator's ID	
	-8379			Section 1	#715
Transporter 1 Company Name	INC CAD 063			ansporter's ID der's Phone 🗗	#4_#71_76
. Transporter 2 Company Name	8. US EPA ID	,		insporter's ID	<i>U-34-</i> -10
			F. Transpor		
Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-			G. State Fa	Phone	972-1955
US DOT Description (Including Proper Section)		nber) 12. Contai	ners T	13. 14. otal Unit antity Wt/Vol	l. Waste No
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	Bridden D.C. (1650s)	The Committee of the Co	G (leagle) salve (	Cacara Analis.	
i. Special Handling Instructions and Addit	ional Information				erecord.
24 Hour Emergency Response	5: 1-800-424-9300 CHBMTF			ompany cod	e "WORR"
(Emergency call pager # 20	06-648-8423) Wear (	loves & gog	gles		
7.0, 7 M 68 460		4-1			
<ol> <li>GENERATOR'S CERTIFICATION: I hereby declar proper shipping name and are classified, packed, proper shipping name and are classified, packed,</li> </ol>	marked, and labeled, and are in all respects in	r and accurately describ proper condition for tran	ed above by isport by highwa	ay	
according to applicable international and national If I am a large quantity generator, I certify tha	at I have a program in place to reduce the vo	olume and toxicity of wa	aste generated	to the degree I ha	ve determined to
economically practicable and that I have select future threat to human health and the environr	ment; OR, if I am a small quantity generator,	rage, or disposal curre I have made a good fa	ntly available to aith effort to m	o me which minimiz inimize my waste g	zes the present eneration and so
the best waste management method that is available Brinted (Timed Name)		- September 1		-	
Printed/Typed Name	Signature	The second second	na na mana na mandana di kacamatan na mangana na mangana na mangana na mangana na mangana na mangana na mangan Manana mangana na mang	···	Month Day ∕  ❷   ⊘
7. Transporter 1 Acknowledgement of Rec	ceipt of Materials	Same and the state of the state			
Printed/Typed Name	Signatúre				Month Day
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<ol> <li>Transporter 2 Acknowledgement of Rec Printed/Typed Name</li> </ol>	ceipt of Materials Signature			· .	Month Day
	Signator O				Month Day
Discrepancy Indication Space					
				nie.	
Facility Owner or Operator: Certification	<del> </del>	ered by this manifes	t except as n	oted in Item 19.	
Printed/Typed Name	Signature		1		Month Day

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

GENERATOR COPY



#### MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN EMERGENCY RESPONSE

## TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

#### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

- 1. Some may burn, but none ignite readily.
- 2. Some may polymenze (P) explosively when heated or involved in a fire.
- 3. Containers may explode when heated.
- 4. Some may be transported not.

#### HEALTH

- 1.Inhalation of material may be harmful.
- Contact may cause burns to skin and eyes.
- Innaiation of Aspestos dust may have a damaging effect on the lungs.
- Fire may produce impating corresive and/or toxic gases.
- Runoff from fire control may cause pollution.

#### PUBLIC SAFETY

- CALL CHEMTREC at 1-300-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORR")
- 2. Isolate spill or leak area immediately for at least 10 to 25 maters (30-30 feet) in all directions
- 3. Keep unauthorized personnel away.
- 4.Stay upwind.

#### PROTECTIVE CLOTHING

- 1. Wear positive pressure self-contained breathing apparatus (SCBA).
- 2. Structural firefighters' protective cothing will only provide limited protection.

#### EVACUATION

1.If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in ail directions; also, consider initial evacuation for 300 meters (1/2 mile) in all directions.

#### FIRE .

#### **EMERGENCY RESPONSE**

#### Small Fires

1. Dry chemical, CO2, water scray or regular foam.

#### Large Fires:

- 1. Water spray, fog or requiar foam.
  2. Move containers from fire area if you can do it without risk.
  3. Do not scatter spilled material with high pressure water streams.
- 4. Dike fire-control water for later discosal.

#### Fire Involving Tanks:

- 1. Cool containers with flooding quantities of water until well after fire is out.
- 2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- 3.ALWAYS stay away from the ends of tanks.

#### SPILL OR LEAK

- Do not touch or walk through spilled material.
- 2. Stop leak if you can do it without risk.
- 3. Prevent dust cloud.
- Avoid inhalation of aspestos dust.

#### Small Dry Spills

- 1. With clean snovel place material into clean. dry container and cover loosely; move containers from spiil area. Small Spills
- or other concompustible absorbent material and place into containers for later disposal. 1. Take up with Large Spills
- Dike far anead of liquid spill for later disposal.
- Cover powder spill with plastic sneet or faro to minimize spreading.
   Prevent entry into waterways, sawers, pasements or confined areas.

#### FIRST AID

- 1. Move victim to fresh air.
- 2.Call emergency medical care
- 3.Apply artificial respiration if victim is not breathing.
- 4.Administer oxygen if breatning is difficult.

- 5. Remove and isolate contaminated ciotning and shoes.

  6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

  7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

# **Material Safety Data Sheet**

### F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

### World Resources Company

8113 West Sherman Street Tolleson, Arizona 85353-4025 Fax: 623/936-9164 Tel.: 602/233-9166

January 2002 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded).

For emergencies during shipping in the US or Canada, day or night, call: CHEMTREC 800/424-9300.

(Use CHEMTREC Company Code "WORR".) For calls from other countries, call COLLECT: 703/527-3887

**Material Identification** 

Section 1

EPA Waste Classification: F006

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

Chemical Family: Metallic (Hydroxide) Participates Synonym: Nonferrous Metal Hydroxide Filter Cake

DOT Shipping Name: RQ, Hazardous waste solid, n.o.s., (F006)

DOT Hazard Class: 9; Packing Group: III.

**DOT Identification Number: NA 3077** 

Guide 171 of The North American Emergency Response Guidebook applies.

Section 2				Haz	ardous Ingredi	ents
Ingredient: Copper Hydroxide Nickel Hydroxide Calcium Hydroxide Diatomite Aluminum Hydroxide	CAS Number: 20427-59-2 12054-48-7 1305-62-0 61790-53-2 21645-51-2	Content%: 0-30 0-15 0-15 0-10 0-10	1.0 mg(Ni)/m³ (d 5.0 mg(Ca)/m³ (d 10.0 mg/m³ (d	ust) l ust) l ust) l	Toxicology (rat, oral): _D-50	

Section 3

Description: solid, clay-like, gray/green to brown, water content 30-80% Specific Gravity: 2.5 to 3.5 Solubility: insoluble in water. Incompatible Reactivity: none known.

Vapor Pressure: insignificant. Stability: avoid contact with acids. Polymerization: will not occur. Density: 50-90 lbs./cu ft.

Physical and Reactivity Boiling Point: above 2600°C Melting Point: above 1800°C

pH: 7.0 to 10.0 Odor: nil.

Section 4

Flashpoint: nonflammable.

Special Firefighting Procedures: none. Product Decomposition (due to fire or explosion): none. Oxidation: non-oxidizing.

Explosion Potential: non-explosive.

**NFPA** Fire Diamond

Fire and Explosion Data 0 1 **Poxicity** 

Section 5

Listed Carcinogenic Components: nickel

Toxicology: see Section 2.

Route of Entry: inhalation and ingestion.

Health Effects and First Aid ection 6 Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms. inhalation: Rare. Induce vomiting and call a physician—but never induce vomiting or give a liquid to an unconscious person. Ingestion: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician. Eyes: Dust may irritate skin, causing forms of eczema. Wash with soap and water. Long-term chronic over-exposure may affect the following target organs or body systems: blood; digestive; respiratory; lungs; liver; Long-Term: kidneys: and skin. Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage, Comments: mental-sensitive skin, or skin lesions.

Section 7

Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be Handling:

used by personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled, to avoid Storage:

inhalation or ingestion. Store in a dry area under cover to protect from rain or snow. Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Spills:

Package material and ship to World Resources Company at the address shown above.

Section 8

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: coveralls are recommended but not required.

Eye Protection: safety glasses are recommended. Hand Protection: gloves are recommended.

Generator's Verification Section 9

This MSDS describes the recyclable material listed in the attached Manifest Number:

**★**Signature **★** 

Date

Alaskan Copper Works

P.O. Box 3546, Seattle, WA 98124 **★**Company Name and Address ★

206-382-8379 **★**Telephone ★



F006



40 CFR §268.40





ISO 9001 & ISO 14001 Certified Recycling Facility



A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation—and, typically, State analogues as well—requires the retention period to be extended further in specified cases.

					<del></del>	<del></del>	***************************************		
To:	WORL	O RESOUR	CES COMPANY	8113 West Sherman Street, Tolleson AZ 85353-4025					
From:		IY NAME: Copper W	orks	COMPANY ADDRESS: P.O. Box 3546, Seattle, WA 98124					
	NIFEST	Ø2.9	£44		DATE OF SHIPMENT:	10-2-0	22		
The			isposal restriction	information		strictions of 40 CF ecordance with 40	TR Part 268. CFR §268.7(a)(2),		
			EPA Material Number	Treatabil Group	_	Reference for timent Standards			

SIGNATURE: 3/5/	TITLE: Enviren Asst.
NAME PRINTED: GERAGO A. Thompson	DATE: 10-2-07

non-wastewater

## Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material.-F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does not include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added-to the LDR Notice.

	INFORMATION APPROPRIATE ENTRY ON LDR NOTICE HARACTERISTIC					
Metal	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards		
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40		
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40		
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40		
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40		

AZF010\F1@1994 by WORLD RESOURCES COMPANY. All rights reserved. Revised 11/08/98, 08/16/00, 08/01/01. This Revision: 11/09/01.



# GENERAL INTERNAL PURCHASE REQUISITION

ITEM NO.	ACCT. NO.	QUAN- TITY	UNIT	DESCRIPTION & PART NUMBERS	UNIT PRICE	TOTAL LINE ITEM PRICE
*Elements of the State of the S	6-686	1	200	TRANSPORT and Praycle of	650 Ponto	)
				TRANSport and Praycle of  3 F-006 Studge Boxes	, e 1843.	
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	N. 183	3.1				
	2,74,74.7					
		13, 131.	7 : 4.7			
	48/3/38					
						N. A. C.
		12 <u>,</u> 1224	١.,			
REQUE	STED BY			DATE APPROVED BY	DATE	30/02
	HERE FOR RET	URN OF YEL	LOW COPY	TO BE FILLED IN BY PURCHASING DEPT		70/34
PURPO	OSE OR USE			P.O. NUMBER 77/- 6	58+66	
DELIV	ERY NEEDED	ВҮ		VENDOR		
1.0	TO ADDRESS	- Andrews		CONTACT TELEPH NO.		
VENDO		UL Kes	aveces	Co. DELIVERY PROMISED SHIP VI		



# GENERAL INTERNAL PURCHASE REQUISITION

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ITEM ACCT. QUAN- NO. TITY UNIT				DESCRIPTION & PART NUMBERS			UNIT PRICE	TOTAL LINE ITEM PRICE			
1	6-686	1	1200	TRANSPORT	and Pravele o	<u> </u>	650 Part				
-				3 F-006	and Prayele of Sludge Boxes						
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REQUE	STED/BY			DATE	APPROVED BY	1	DATE				
<u> </u>	IERE FOR RET	CUBNI OF VE	LLOW CORN	17-30-07	TO BE FILLED IN BY PURCH	ASING DEPT.	Z	30/02			
	SE OR USE	JIM OF TE	LEGVV COPY		P.O. NUMBER	71- 6	68766	<u></u>			
DELIVE	RY NEEDED	ВУ			VENDOR						
SHIP TO ADDRESS					CONTACT	TELEPH NO.	ONE				
SUGGE	STED (1)	reld Ki	) eScurces	; . Co.	DELIVERY PROMISED	SHIP VI	1				